

### ABSTRACT

A medical device for controlled release of one or more substances into a body cavity containing an electrolytic fluid, such as a urinary bladder. The device comprises a plurality of blister-like vesicles mounted on a first surface, each vesicle  
5 having at least a metallic portion formed from a first metal. The metallic portion of each vesicle is electrically connected to a first terminal of a power supply via a switch., so as to allow the metallic portion to function as an anode when the switch is closed. A cathode is formed from a second metal and is attached to the second terminal of the power supply. The cathode is separated from the anodes by a space  
10 that is assessable by the electrolytic fluid when the device is in the body cavity.